

ABSTRACT

A process for continuously manufacturing boron nitride utilizing a graphite capsule/vessel container for the reaction mixture and a pusher-type of high-temperature furnace. The process comprises the steps of:

- a) during the preheat step: pushing the graphite capsule/vessel through hot zones such that the reacting mixture is heated uniformly throughout its cross-sectional area and is held at or below 1000°C:
- b) during the ultra-high-temperature heating step: pushing the graphite capsule/vessel through hot zones such that the reacting mixture is heated uniformly throughout its cross-sectional area and is held in the range of 1600 to 2200°C.